

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 1, 2005, 11:52:00 ; Search time 652 Seconds
(without alignments)
6228.252 Million cell updates/sec

Title: US-10-751-612-1

Perfect score: 3016

Sequence: 1 tctagagcatgagcattgtgta.....gggctatgtcaagtcattg 3016

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5915009 seqs, 673212896 residues

Total number of hits satisfying chosen parameters: 11830018

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents NA New.*

- 1: /cgn2_6/prodata/2/pna/PCT_NEW_COMB.seq.*
- 2: /cgn2_6/prodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2_6/prodata/2/pna/US07_NEW_COMB.seq.*
- 4: /cgn2_5/prodata/2/pna/US08_NEW_COMB.seq.*
- 5: /cgn2_6/prodata/2/pna/US09_NEW_COMB.seq.*
- 6: /cgn2_6/prodata/2/pna/US10_NEW_COMB.seq.*
- 7: /cgn2_6/prodata/2/pna/US11_NEW_COMB.seq.*
- 8: /cgn2_6/prodata/2/pna/US11_NEW_COMB.seq.*
- 9: /cgn2_6/prodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	43.4	1.4	4001	7	US-10-517-441-782
2	43.4	1.4	12963	7	US-10-517-441-655
3	42.2	1.4	3201	6	US-10-526-108-278
4	42.2	1.4	5649	7	US-10-517-441-569
5	41.2	1.4	3201	6	US-10-526-108-260
6	41.2	1.4	5649	7	US-10-517-441-295
7	40.8	1.4	837	9	US-60-655-875-45247
8	40.6	1.3	2240	7	US-10-517-441-542
9	40.2	1.3	21561	8	US-11-033-545-641
10	40.2	1.3	21561	8	US-11-033-545-797
11	40.2	1.3	152768	9	US-60-660-591-42
12	39.6	1.3	465	9	US-60-655-875-32913
13	39.4	1.3	651	9	US-60-655-875-78273
14	39.4	1.3	1340	9	US-60-655-875-40651
15	39.4	1.3	1397	9	US-60-655-875-59969
16	39.4	1.3	1870	9	US-60-655-875-59969
17	39.4	1.3	2215	9	US-60-655-875-25420
18	39.4	1.3	2838	7	US-60-655-875-14257
19	39.4	1.3	12610	7	US-10-517-441-715
20	39	1.3	2240	7	US-10-517-441-268
21	38.8	1.3	1247	6	US-10-499-065A-123
22	38.8	1.3	1785	6	US-10-499-065A-124
23	38.8	1.3	2416	6	US-10-499-065A-125
24	38.8	1.3	2501	6	US-10-526-108-211

25	38.4	1.3	1622	9	US-60-655-875-15619	Sequence 15619, A
C 26	38.4	1.3	24040	9	US-60-655-875-69	Sequence 69, Appl
C 27	38.2	1.3	1755	9	US-60-655-875-78617	Sequence 78617, A
C 28	38.2	1.3	1836	9	US-60-655-875-14550	Sequence 14550, A
C 29	38.2	1.3	2501	6	US-10-526-108-202	Sequence 202, App
C 30	38.2	1.3	2501	6	US-10-526-108-212	Sequence 212, App
C 31	38.2	1.3	4001	6	US-10-526-108-160	Sequence 160, App
C 32	38.2	1.3	4001	6	US-10-526-108-172	Sequence 172, App
C 33	38.2	1.3	4060	9	US-60-655-875-8328	Sequence 8328, Ap
C 34	38	1.3	803	9	US-60-655-875-36665	Sequence 36665, A
C 35	38	1.3	2346	9	US-60-655-875-3469	Sequence 3469, Ap
C 36	37.8	1.3	932	9	US-60-655-875-53583	Sequence 53583, A
C 37	37.8	1.3	980	9	US-60-655-875-31184	Sequence 31184, A
C 38	37.8	1.3	1690	9	US-60-655-875-53247	Sequence 53247, A
C 39	37.8	1.3	2410	9	US-60-655-875-22583	Sequence 22583, A
C 40	37.8	1.3	2990	9	US-60-655-875-471	Sequence 471, App
C 41	37.6	1.2	877	9	US-60-655-875-45203	Sequence 45203, A
C 42	37.6	1.2	1528	9	US-60-655-875-39339	Sequence 39339, A
C 43	37.6	1.2	4001	7	US-10-517-441-508	Sequence 508, App
C 44	37.6	1.2	9353	7	US-10-517-441-735	Sequence 735, App
C 45	37.6	1.2	12963	7	US-10-517-441-381	Sequence 381, App

ALIGNMENTS

RESULT 1

US-10-517-441-782

; Sequence 782, Application US/10517441

; GENERAL INFORMATION:

; APPLICANT: FOKKENS, John

; APPLICANT: HARBECK, Nadia

; APPLICANT: KOENIG, Thomas

; APPLICANT: MAIER, Sabine

; APPLICANT: MARTENS, John

; APPLICANT: MODEL, Fabian

; APPLICANT: NIMMICH, Inko

; APPLICANT: RUJAN, Tamas

; APPLICANT: SCHMITT, Armin

; APPLICANT: SCHMITT, Manfred

; APPLICANT: LOOK, Maxime P.

; APPLICANT: MARX, Almuth

; APPLICANT: HOEFLE, Heinz

; TITLE OF INVENTION: Method and nucleic acids for the improved treatment of breast cell

; FILE OF INVENTION: proliferative disorders

; FILE REFERENCE: 47675-93

; CURRENT APPLICATION NUMBER: US/10/517,441

; CURRENT FILING DATE: 2004-12-11

; PRIOR APPLICATION NUMBER: PCT/EP2003/010881

; PRIOR FILING DATE: 2003-10-01

; PRIOR APPLICATION NUMBER: DE 10317955.0

; PRIOR FILING DATE: 2003-04-17

; PRIOR APPLICATION NUMBER: DE 10300096.8

; PRIOR FILING DATE: 2003-01-07

; PRIOR APPLICATION NUMBER: DE 10245779.4

; PRIOR FILING DATE: 2002-10-01

; NUMBER OF SEQ ID NOS: 2147

; SEQ ID NO 782

; LENGTH: 4001

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-517-441-782

Query Match 1.4%; Score 43.4; DB 7; Length 4001;

Best Local Similarity 52.5%; Pred. No. 0.27;

Matches 95; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 1219 GAGGATGATCTTCTGAACTGATTCGGTGGATTAATAATGACTTTAGTTGTTT 1278

Db 802 GTGGATTTTTTTTTTGGGAGGTGGTGGTATTAGTTAGTTAGTTATTTATTGTTG 861


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; SEQ ID NO 569
; LENGTH: 5649
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-517-441-569

Query Match          1.4%; Score 42.2; DB 7; Length 5649;
Best Local Similarity 55.0%; Pred. No. 0.66;
Matches 83; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 2023 TAAAAATATAATCTTGAGCTAACTGAAGAGAGAGCTATTTTTTTTGTCTCCCAATAC 2082
    |||||
DB 3465 TAATAAAACCTTATAACACAAACAAAAACAAACAACTATAATTAACCTCCAAATAC 3406

QY 2083 ATGATAGATACATATGAGAGAAAAATATATGAATAAGAACACATTACATCCAGCCA 2142
    |||||
DB 3405 AAAATAAAAAAACAACAAAAAACAACAAAAAACAACAAAAAACAACATAATACCTA 3346

QY 2143 TACAATATGAGATTTCATCTTAAGAGCAACA 2173
DB 3345 AATAATAAAATATCTTATACAAACACCA 3315
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RESULT 5
US-10-526-108-260/c
; Sequence 260, Application US/10526108
; GENERAL INFORMATION:
; APPLICANT: Maier, Sabine
; TITLE OF INVENTION: METHOD AND NUCLEIC ACIDS FOR THE ANALYSIS OF BREAST CELL PROLIFERATION
; FILE REFERENCE: 47675-102
; CURRENT APPLICATION NUMBER: US/10/526,108
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: PCT/EP2003/007827
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: DE10255104.9
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: DE10239313.3
; PRIOR FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 396
; SEQ ID NO 260
; LENGTH: 3201
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-526-108-260
```

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Query Match          1.4%; Score 41.2; DB 6; Length 3201;
Best Local Similarity 54.7%; Pred. No. 0.97;
Matches 82; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 2023 TAAAAATATAATCTTGAGCTAACTGAAGAGAGAGCTATTTTTTTTGTCTCCCAATAC 2082
    |||||
DB 468 TAATAAAACCTTATAACACAAACAAAAACAAACAACTATAATTAACCTCCAAATAC 409

QY 2083 ATGATAGATACATATGAGAGAAAAATATATGAATAAGAACACATTACATCCAGCCA 2142
    |||||
DB 408 AAAATAAAAAAACAACAAAAAACAACAAAAAACAACAAAAAACAACATAATACCTA 349

QY 2143 TACAATATGAGATTTCATCTTAAGAGCAAC 2172
DB 348 AATAATAAAATATCTTATACAAACACCA 319
```

```
RESULT 6
US-10-517-441-295/c
; Sequence 295, Application US/10517441
; GENERAL INFORMATION:
; APPLICANT: FOEKENS, John
; APPLICANT: HARBECK, Nadia
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; APPLICANT: KOENIG, Thomas
; APPLICANT: MAIER, Sabine
; APPLICANT: MARTENS, John
; APPLICANT: MODEL, Fabian
; APPLICANT: NIMMICH, Inko
; APPLICANT: RUJAN, Tamas
; APPLICANT: SCHMITT, Armin
; APPLICANT: SCHMITT, Manfred
; APPLICANT: LOOK, Maxine P.
; APPLICANT: MARK, Almuth
; APPLICANT: HOFER, Heinz
; TITLE OF INVENTION: Method and nucleic acids for the improved treatment of breast cell
; FILE REFERENCE: 47675-93
; CURRENT APPLICATION NUMBER: US/10/517,441
; CURRENT FILING DATE: 2004-12-11
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; NUMBER OF SEQ ID NOS: 2147
; SEQ ID NO 295
; LENGTH: 5649
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-517-441-295

Query Match          1.4%; Score 41.2; DB 7; Length 5649;
Best Local Similarity 54.7%; Pred. No. 1.2;
Matches 82; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 2023 TAAAAATATAATCTTGAGCTAACTGAAGAGAGAGCTATTTTTTTTGTCTCCCAATAC 2082
    |||||
DB 3465 TAATAAAACCTTATAACACAAACAAAAACAAACAACTATAATTAACCTCCAAATAC 3406

QY 2083 ATGATAGATACATATGAGAGAAAAATATATGAATAAGAACACATTACATCCAGCCA 2142
    |||||
DB 3405 AAAATAAAAAAACAACAAAAAACAACAAAAAACAACAAAAAACAACATAATACCTA 3346

QY 2143 TACAATATGAGATTTCATCTTAAGAGCAAC 2172
DB 3345 AATAATAAAATATCTTATACAAACACCA 3316

RESULT 7
US-60-655-875-45247/c
; Sequence 45247, Application US/60655875
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey
; APPLICANT: Du, Zijing
; APPLICANT: Guo, Liang
; APPLICANT: Kovalic, David
; APPLICANT: Lu, Maolong
; APPLICANT: McCarter, James
; APPLICANT: Miller, Nancy
; APPLICANT: Williams, Deryck
; APPLICANT: Vaudin, Mark
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
; FILE REFERENCE: 38-21(53885)
; CURRENT APPLICATION NUMBER: US/60/655,875
; CURRENT FILING DATE: 2005-02-24
; NUMBER OF SEQ ID NOS: 171306
; SEQ ID NO 45247
; LENGTH: 837
; TYPE: DNA
```

```
; ORGANISM: Heterodera glycines
US-60-655-875-45247

Query Match      1.4%; Score 40.8; DB 9; Length 837;
Best Local Similarity 50.0%; Pred. No. 0.71;
Matches 102; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 1223 ATGACTATTTCTGAAAGCTGCGTGAGCTTATTAATTAATTTAGTCTTTTCTGAGC 1282
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 461 ATGAACCTTTTGTAGAAAAATTTAATGCAATTTTAAATTAATTTTGGGTTCAAAATA 402
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1283 ATGAAGCTCTGAACATATGAATTTATGATGATGATGCTTGTGAGCTACTCCGCTCTACA 1342
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 401 ATGTTTTCTCTTTTAAATTTAATTTATATAAGACAAATTTGAAAAATTAATTTAAT 342
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1343 TTTAGTTGGTATCATAAATATTTATATATATATATATATATATATATATATATATATAT 1402
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 341 TTTATTTTATTTGCTAAAAAATATGCGTTTTCATTTGACTTTTATTTAAAAATATGATTTT 282
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1403 TTGACTCTTCAAGATCTTCGAAAT 1426
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 281 TTTTATATTTTAAATGTTTTTATT 258
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8
US-10-517-441-542
; Sequence 542, Application US/10517441
; GENERAL INFORMATION:
; APPLICANT: FOKENS, John
; APPLICANT: HARBECK, Nadia
; APPLICANT: KOENIG, Thomas
; APPLICANT: MAIER, Sabine
; APPLICANT: MARTENS, John
; APPLICANT: MODEL, Fabian
; APPLICANT: NIMMICH, Inko
; APPLICANT: RUJAN, Tamas
; APPLICANT: SCHMITT, Armin
; APPLICANT: SCHMITT, Manfred
; APPLICANT: LOOK, Maxime P.
; APPLICANT: MARK, Almut
; APPLICANT: HOEFER, Heinz
; TITLE OF INVENTION: Method and nucleic acids for the improved treatment of breast cell
; FILE REFERENCE: 47675-93
; CURRENT APPLICATION NUMBER: US/10/517,441
; CURRENT FILING DATE: 2004-12-11
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; NUMBER OF SEQ ID NOS: 2147
; SEQ ID NO 542
; LENGTH: 2240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-517-441-542

Query Match      1.3%; Score 40.6; DB 7; Length 2240;
Best Local Similarity 48.5%; Pred. No. 1.2;
Matches 142; Conservative 0; Mismatches 149; Indels 2; Gaps 1;

QY 1098 TATTGTTGCAATTTTCTCTCACAAGAGCTAGCTTTATAGCGGCATAAAGCT 1157
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 289 TATTTATTTTATTTAATAATGGTAAGGTTTGTGTTGGTTGTAAGTAAGT 348
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1158 ATCATGTCGACCGCAGCTTTAATPATTATATACCATATGAATATCATGTCGAATA 1217
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

; ORGANISM: Heterodera glycines
US-60-655-875-45247

Query Match      1.4%; Score 40.8; DB 9; Length 837;
Best Local Similarity 50.0%; Pred. No. 0.71;
Matches 102; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 1223 ATGACTATTTCTGAAAGCTGCGTGAGCTTATTAATTAATTTAGTCTTTTCTGAGC 1282
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 461 ATGAACCTTTTGTAGAAAAATTTAATGCAATTTTAAATTAATTTTGGGTTCAAAATA 402
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1283 ATGAAGCTCTGAACATATGAATTTATGATGATGATGCTTGTGAGCTACTCCGCTCTACA 1342
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 401 ATGTTTTCTCTTTTAAATTTAATTTATATAAGACAAATTTGAAAAATTAATTTAAT 342
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1343 TTTAGTTGGTATCATAAATATTTATATATATATATATATATATATATATATATATATAT 1402
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 341 TTTATTTTATTTGCTAAAAAATATGCGTTTTCATTTGACTTTTATTTAAAAATATGATTTT 282
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1403 TTGACTCTTCAAGATCTTCGAAAT 1426
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 281 TTTTATATTTTAAATGTTTTTATT 258
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 9
US-11-033-545-641/c
; Sequence 641, Application US/11033545
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/11/033,545
; CURRENT FILING DATE: 2005-01-12
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 641
; LENGTH: 21561
; TYPE: DNA
; ORGANISM: Human
US-11-033-545-641

Query Match      1.3%; Score 40.2; DB 8; Length 21561;
Best Local Similarity 47.8%; Pred. No. 4;
Matches 117; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

QY 1176 TTTAATATTTAACTTATACATATGAAATATCATGTCGAACTATGAGATGATACTTTCT 1235
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 2565 TTATATGATATATATATATATATATATATATATATATATATATATATATATATATATA 2506
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1236 GAACGTCATTCGTCGAGTTATTAATTAATTTAGTTTGTGAGCATGAAGTCGAA 1295
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 2505 ATATATAATTTATGTTATATATATATATATATATATATATATATATATATATATATATA 2446
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1296 CTATGAATTTATGATGATTTGTGGCTTGTGAGCTACTCCGCTCTACATTTAGTTGATC 1355
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 2445 TTATATGATATATATATATATATATATATATATATATATATATATATATATATATATA 2386
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1356 ATAAATATTTATATATATATATATATATATATATATATATATATATATATATATATATA 1415
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 2385 ATATATAATTTGTTATATATATATATATATATATATATATATATATATATATATATATA 2326
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1416 ATTCT 1420
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dy 2325 ATTAT 2321
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-11-033-545-797/c
; Sequence 797, Application US/11033545
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/11/033,545
; CURRENT FILING DATE: 2005-01-12
; PRIOR APPLICATION NUMBER: 60/231,401
```

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: PRIOR FILING DATE: 2000-09-08
:
: NUMBER OF SEQ ID NOS: 10823
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 797
: LENGTH: 21561
: TYPE: DNA
: ORGANISM: Human
US-11-033-545-797

```

Query Match	1.3%;	Score 40.2;	DB 8;	Length 21561;
Best Local Similarity	47.8%;	Pred. No. 4;		
Matches 117;	Conservative 0;	Mismatches 128;	Indels 0;	Gaps 0;
Qy	1176	TTTTAATATTAACTTATACCATATGAATATCATGTCGAACTATGAGGATGATACTTTTCT	1235	
Db	2565	TTATATGTATTTATATATAATATATAATTAATATGTTATATATFATGTATTTATATATA	2506	
Qy	1236	GAACGCGATTGGCGAGCTWATTAATTTGTTACTTTTAGTGTGTTTGAGCATCGAAGCTCGAA	1295	
Db	2505	ATATATAATTATGTTATATATATATGTTATATATATATAATATAATTAATTTATGTTACATA	2446	
Qy	1296	CTATGAATTTATGATGFATTTGTGGCTTTGTGAGCTACTCCGCTCTACATTTAGTTGGTATC	1355	
Db	2445	TTATATGTTATTTATATAATAATATAATTAATTTATGTTATATATATGTTATTTATATA	2386	
Qy	1356	ATAAAATATTATATATATCAATAAATTTGATCAACTTGAGATGCTTTTGACTCTTCCAAG	1415	
Db	2385	ATATATAATTGTTATATATTATATGTTATTTATATAATAATATAAATTATACAATTATAT	2326	
Qy	1416	ATTCT 1420		
Db	2325	ATTAT 2321		

```

RESULT 11
US-60-660-591-42/c
; Sequence 42, Application US/60660591
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Ming-yi Chiang
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Susan M. Freier
; APPLICANT: John Geisler
; APPLICANT: Ravi Jain
; APPLICANT: Xing-Xian Yu
; TITLE OF INVENTION: COMPOSITIONS AND THEIR USES DIRECTED TO METABOLISM GENES
; FILE REFERENCE: DPTK-0073US.L
; CURRENT APPLICATION NUMBER: US/60/660,591
; CURRENT FILING DATE: 2005-03-10
; NUMBER OF SEQ ID NOS: 2263
; SOFTWARE: PatentSeq version 1.0
; SEQ ID NO 42
; LENGTH: 152768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-660-591-42

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	Query Match	1.3%	Score 40.2;	DB 9;	Length 152768;
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Qy	1236	GAACGTGAATGCGAGTGTTAATAATGGTACTTTTTAGTCTGTTTGGAGCATGAAGGCTCTGAA			1295
Db	15535	ATATTATATATCATATATTTATATATTTATAATATTTATATATATATATATATATATATATATATATA			1547
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RESULT 12
US-60-655-875-32913/c
; Sequence 32913, Application US/60655875
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey
; APPLICANT: Du, Zijing
; APPLICANT: Guo, Liang
; APPLICANT: Kovalic, David
; APPLICANT: Lu, Maolong
; APPLICANT: McCarter, James
; APPLICANT: Miller, Nancy
; APPLICANT: Williams, Deryck
; APPLICANT: Vaudin, Mark
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
; TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
; FILE REFERENCE: 38-21(53885)
; CURRENT APPLICATION NUMBER: US/60/655,875
; CURRENT FILING DATE: 2005-02-24
; NUMBER OF SEQ ID NOS: 171306
; SEQ ID NO 32913
; LENGTH: 465
; TYPE: DNA
; ORGANISM: Heterodera glycines
US-60-655-875-32913

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	Query Match	1.3%	Score 39.6	DB 9	Length 465
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; APPLICANT: Guo, Liang
; APPLICANT: Kovalic, David
; APPLICANT: Lu, Maolong
; APPLICANT: McCarter, James
; APPLICANT: Miller, Nancy
; APPLICANT: Williams, Deryck
; APPLICANT: Vaudin, Mark
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
; TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
; FILE REFERENCE: 38-21(53885)
; CURRENT APPLICATION NUMBER: US/60/655,875
; CURRENT FILING DATE: 2005-02-24
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; SEQ ID NO 78273
; LENGTH: 651
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; ORGANISM: Heterodera glycines

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Job time : 655 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 1, 2005, 11:52:02 ; Search time 11110 Seconds
(without alignments)
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SUMMARIES

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ALIGNMENTS

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 ; Sequence 1, Application PC/TUS0400113
 ; GENERAL INFORMATION:
 ; APPLICANT: The Texas A&M University System
 ; TITLE OF INVENTION: STEM-REGULATED, PLANT DEFENSE PROMOTER
 ; TITLE OF INVENTION: AND USES THEREOF IN TISSUE-SPECIFIC EXPRESSION IN MONOCOTS
 ; FILE REFERENCE: 017575.0893
 ; CURRENT APPLICATION NUMBER: PCT/US04/00113
 ; CURRENT FILING DATE: 2004-01-05
 ; PRIOR APPLICATION NUMBER: 60/437,890
 ; PRIOR FILING DATE: 2003-01-03
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1201 AATATCATGTCGAACTATGAGGATGATATTTTCTGAACTGATGATGATGATGATGATG 1260
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1261 TTGTACTTTTGTAGTGTGTTGAGCATGAAGGTCTGAACCTATGAATTTATGATGATGATG 1320
1261 TTGTACTTTTGTAGTGTGTTGAGCATGAAGGTCTGAACCTATGAATTTATGATGATGATG 1320
1321 TTGTGAGCTACTCCGCTCTACATTTAGTTGGTATCATATAATTTATTTATTTATCATATA 1380
1321 TTGTGAGCTACTCCGCTCTACATTTAGTTGGTATCATATAATTTATTTATTTATCATATA 1380
1381 AATTTGATCAACTGAGATGCTTTGACTCTTCAAGATTTCTGGAATGACTTATCAATTTGG 1440
1381 AATTTGATCAACTGAGATGCTTTGACTCTTCAAGATTTCTGGAATGACTTATCAATTTGG 1440
1441 GGTAGGGAGTGGTTTCTTAAGGCCAGTCTCAGTGGGTTTTCATCAGAGTTTTCATGGACAT 1500
1441 GGTAGGGAGTGGTTTCTTAAGGCCAGTCTCAGTGGGTTTTCATCAGAGTTTTCATGGACAT 1500
1501 TAAATTAAGCTGATGTGACACCGTATTTAGTGAAGAGAGAGATGATGAAGAGTTTTCATGG 1560
1501 TAAATTAAGCTGATGTGACACCGTATTTAGTGAAGAGAGAGATGATGAAGAGTTTTCATGG 1560
1561 TAGAGAGAGTTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAATATAGATGATGATG 1620
1561 TAGAGAGAGTTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAATATAGATGATGATG 1620
1621 GTAAAGGGCCCATGAATCTCTAGTGACACTGACCTTAAGATGAGATGATGATGATGATG 1680
1621 GTAAAGGGCCCATGAATCTCTAGTGACACTGACCTTAAGATGAGATGATGATGATGATG 1680

1681 TGTTTCAAAATCTGCATGATGATGCTTTGAATATTTGTAACCTCACATTAACTCCCTC 1740
1681 TGTTTCAAAATCTGCATGATGATGCTTTGAATATTTGTAACCTCACATTAACTCCCTC 1740
1741 ACACATGATGCAAAACGGGCGGTGACGCAAAAGAAATTCAGTGAAGATGACATGAAGAAA 1800
1741 ACACATGATGCAAAACGGGCGGTGACGCAAAAGAAATTCAGTGAAGATGACATGAAGAAA 1800
1801 TAAAGTAAATGCTTTGGCTTTCATCCCGGCTTAAATGCTCGACAGAAACACGTCGGT 1860
1801 TAAAGTAAATGCTTTGGCTTTCATCCCGGCTTAAATGCTCGACAGAAACACGTCGGT 1860
1861 AGTCAAGGTGTCCTTAAACAACTGGGTTTCACTGTGTAACACGTTCTATGCTTGAAGAAA 1920
1861 AGTCAAGGTGTCCTTAAACAACTGGGTTTCACTGTGTAACACGTTCTATGCTTGAAGAAA 1920
1921 CGGCTGAGGAGATTAGATACAACTTCAATATATCTTAAAGGCGCTTCAATATTTGTCAG 1980
1921 CGGCTGAGGAGATTAGATACAACTTCAATATATCTTAAAGGCGCTTCAATATTTGTCAG 1980
1981 CTCTAAACTAGTTTATGTCACCGTGGAGAGAGGAGGCTTAAATAATATATCTTTGAG 2040
1981 CTCTAAACTAGTTTATGTCACCGTGGAGAGAGGAGGCTTAAATAATATATCTTTGAG 2040
2041 CTAACGTGAAGAGAGAGCTATTTTGTGCTCCCAATACATGATAGATACAATATGA 2100
2041 CTAACGTGAAGAGAGAGCTATTTTGTGCTCCCAATACATGATAGATACAATATGA 2100
2101 GAGAAAAATATATGAATAAAGAACACTTTATGTCAGGCGCATACAAATATGAGATTTTCA 2160
2101 GAGAAAAATATATGAATAAAGAACACTTTATGTCAGGCGCATACAAATATGAGATTTTCA 2160
2161 CTAAGAGCCAAACCTGCTGCTGTTGTAAGGTGCTCTAGTGGAGTGGTGGTCTTT 2220
2161 CTAAGAGCCAAACCTGCTGCTGTTGTAAGGTGCTCTAGTGGAGTGGTGGTCTTT 2220
2221 TAGTTTGTAGTGTAGAGCTAGTTAGTCTCTTTTCTTGTCTAGGTTTATGTTGTG 2280
2221 TAGTTTGTAGTGTAGAGCTAGTTAGTCTCTTTTCTTGTCTAGGTTTATGTTGTG 2280
2281 TTTTGGCTGCGAAGTGTGAAACACTCAAGGTAAAGTCCCATCTAATTTCTAAATGATGC 2340
2281 TTTTGGCTGCGAAGTGTGAAACACTCAAGGTAAAGTCCCATCTAATTTCTAAATGATGC 2340
2341 CAAATTAAGATAGATTAACAAAGTTAAACGACGGAAGAACTCTAATAATAGATGGAAGTT 2400
2341 CAAATTAAGATAGATTAACAAAGTTAAACGACGGAAGAACTCTAATAATAGATGGAAGTT 2400
2401 TTGTAGAGTAAATTTGGTATGAAGTGGCGAAGTCCGACCAACCAACCAATAAAGATT 2460
2401 TTGTAGAGTAAATTTGGTATGAAGTGGCGAAGTCCGACCAACCAACCAATAAAGATT 2460
2461 AATGATGATGAGTCTTGTATCTTGTGAGAGTGGCATCTAGGTCCTCAAACTCTCAAA 2520
2461 AATGATGATGAGTCTTGTATCTTGTGAGAGTGGCATCTAGGTCCTCAAACTCTCAAA 2520
2521 TTGCACTTTTGACACCCCTTAAAGTGTGCACTTAGATCTCAAACTCTCAAA 2580
2521 TTGCACTTTTGACACCCCTTAAAGTGTGCACTTAGATCTCAAACTCTCAAA 2580
2581 ATGCACTTTCTGATACCTTAGTGTGTTCAAGTGTGCTCAAGTGAAGAAAGTTAGATA 2640
2581 ATGCACTTTCTGATACCTTAGTGTGTTCAAGTGTGCTCAAGTGAAGAAAGTTAGATA 2640
2641 ATTTTGTATGATGAGTATGGGACCAAAATTAATTTATGATGATGCTCGAACTAGTTGAT 2700
2641 ATTTTGTATGATGAGTATGGGACCAAAATTAATTTATGATGATGCTCGAACTAGTTGAT 2700
2701 GATGACCCCAATAATAGACACTAGTTTCTTGTGATAGTACTAGTACTAGTACT 2760
2701 GATGACCCCAATAATAGACACTAGTTTCTTGTGATAGTACTAGTACTAGTACT 2760
2761 ATAACTTTTCAAGTTGTAGCTACTACTTTAGCTTATCTCCGCATATTTACAATCAATA 2820

13261	TTGTACTTTTAGTTGTTTGAGCATTGAAGGCTGAACCTATGAATTTATGATGTTATGTGGC	13262
Qy	TTGTGAGCTACTCCGCTCTACATTTAGTTGGTATCATAAATATTTATTTATTTATCATATATA	13263
Db	TTGTGAGCTACTCCGCTCTACATTTAGTTGGTATCAATAATATTTATTTATTTATCATATATA	13264
Qy	AAATTTGATCAACTTGAGATGCTTTGACTCTTCAAGATTTCTTGGNATGACTTATCATTTGG	1440
Db	AAATTTGATCAACTTGAGATGCTTTGACTCTTCAAGATTTCTTGGNATGACTTATCATTTGG	1440
Qy	GGTAGGAGTAGGTTTCTTAAGCCAGCCTCTCAGTGGGGTTTTCATCAGAGTTTTCATGGACAT	1500
Db	GGTAGGAGTAGGTTTCTTAAGCCAGCCTCTCAGTGGGGTTTTCATCAGAGTTTTCATGGACAT	1500
Qy	TAAATAAGCTGATGTGACACCGTATTGATGAAGAGAGAGATGATAGAGTTTTCATGCGAG	1560
Db	TAAATAAGCTGATGTGACACCGTATTGATGAAGAGAGAGATGATAGAGTTTTCATGCGAG	1560
Qy	TAGAGAGAGTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAATATAGATGCAATTG	1620
Db	TAGAGAGAGTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAATATAGATGCAATTG	1620
Qy	GTAAGAGGGCCATGAAATCTCTAGTGACACTGACCTAAAGATGAGATTGACTCTAGCACCTA	1680
Db	GTAAGAGGGCCATGAAATCTCTAGTGACACTGACCTAAAGATGAGATTGACTCTAGCACCTA	1680
Qy	TGTTTCAAAATCTGCATGCAATGCTTTGAAATTTGTAACCTCCTAGGCTCTCCCTC	1740
Db	TGTTTCAAAATCTGCATGCAATGCTTTGAAATTTGTAACCTCCTAGGCTCTCCCTC	1740
Qy	ACATCATGCAATGCAAAACGGGCGGTGCACGCAAAAGAAATTTGATGAGATGACATGAAAAA	1800
Db	ACATCATGCAATGCAAAACGGGCGGTGCACGCAAAAGAAATTTGATGAGATGACATGAAAAA	1800
Qy	TAACTAAATAGCTTTGGCTTCATCACCGCGGCTTAAATGCTCGACAGAAAAACACGTCGT	1860
Db	TAACTAAATAGCTTTGGCTTCATCACCGCGGCTTAAATGCTCGACAGAAAAACACGTCGT	1860
Qy	AGTCAAGGTTGTGCCTAAACAAATCGGGGTTTCAATGTAAAAACAGTTTCATGCTCTAGAAA	1920
Db	AGTCAAGGTTGTGCCTAAACAAATCGGGGTTTCAATGTAAAAACAGTTTCATGCTCTAGAAA	1920
Qy	CGGCTCGAGGGATTAGATCAACTTCAATATATCTTAGGGCCCTCCCAATATTTGTCAG	1980
Db	CGGCTCGAGGGATTAGATCAACTTCAATATATCTTAGGGCCCTCCCAATATTTGTCAG	1980
Qy	CTCTAAACTAGTTTATGTCTCGGTGAGGAGAGGGAGGCTTAAAAATATATCTTTGAG	2040
Db	CTCTAAACTAGTTTATGTCTCGGTGAGGAGAGGGAGGCTTAAAAATATATCTTTGAG	2040
Qy	CTAACGTGAAGAGAGAGCTATTTTTTTTTTGTCTCCCAATACATGATAGATACAATATGA	2100
Db	CTAACGTGAAGAGAGAGCTATTTTTTTTTTGTCTCCCAATACATGATAGATACAATATGA	2100
Qy	GAGAAAAATATATGAATAAAGAACACTTTACATGCCAGCCATACATATGAGATTTCAT	2160
Db	GAGAAAAATATATGAATAAAGAACACTTTACATGCCAGCCATACATATGAGATTTCAT	2160
Qy	CTAAGACCCAAACCTGACTGTGTAAGAGGTGCTTAGTTGGAGTGGTGCATCTTTT	2220
Db	CTAAGACCCAAACCTGACTGTGTAAGAGGTGCTTAGTTGGAGTGGTGCATCTTTT	2220
Qy	TAGTTGTTTAGTGTGAAGACCTAGTTTGTGCTCTTTTCTGCTAGGTTTATGTTGTG	2280
Db	TAGTTGTTTAGTGTGAAGACCTAGTTTGTGCTCTTTTCTGCTAGGTTTATGTTGTG	2280
Qy	TTTTTGGCTGCCAAGTGTGGAACCACTCAAGGTGAAGTCCCATCTTAATTTCTAAATGATGC	2340
Db	TTTTTGGCTGCCAAGTGTGGAACCACTCAAGGTGAAGTCCCATCTTAATTTCTAAATGATGC	2340
Qy	CAATAAAGATAGATTACAAAGTTTAAACGACGGAACAACTCTTAAATAGGATGGAAGTT	2400
Db	CAATAAAGATAGATTACAAAGTTTAAACGACGGAACAACTCTTAAATAGGATGGAAGTT	2400

Qy	2401	TTGTAGAGTAATAATTGGTATGAAGTGGCGAAGTCGACCAAAACCAAAATAAAGAGTTA	2460
Db	2401	TTGTAGAGTAATAATTGGTATGAAGTGGCGAAGTCGACCAAAACCAAAATAAAGAGTTA	2460
Qy	2461	AATGCATGTTAGGCTCTTTGATCTTGTCGAGAGTGGCCACTTTAGCTGCACAAACTCTCAAA	2520
Db	2461	AATGCATGTTAGGCTCTTTGATCTTGTCGAGAGTGGCCACTTTAGGTCACAAACTCTCAAA	2520
Qy	2521	TTGCAATTTTGGACACCCCTAATGTTATTCAGTGTGCGCACTTAGATCTACAAACTCTCAAA	2580
Db	2521	TTGCAATTTTGGACACCCCTAATGTTATTCAGTGTGCGCACTTAGATCTACAAACTCTCAAA	2580
Qy	2581	ATGCATTTCTGATACCTCTAGTGTGTTCAAGTGTGCACCTTAGGCAAGAAAAGTTAGATA	2640
Db	2581	ATGCATTTCTGATACCTCTAGTGTGTTCAAGTGTGCACCTTAGGCAAGAAAAGTTAGATA	2640
Qy	2641	ATTTTGTATAAGCTATGGGACCAAAATTAATTTATGTATGCATGCTCGAACTAGTTGATGAT	2700
Db	2641	ATTTTGTATAAGCTATGGGACCAAAATTAATTTATGTATGCATGCTCGAACTAGTTGATGAT	2700
Qy	2701	GATGGACCCCAATAATAGACACTAGTTCAATGGGCTGGTTTCTTGTTATAGTACTAGCTAGT	2760
Db	2701	GATGGACCCCAATAATAGACACTAGTTCAATGGGCTGGTTTCTTGTTATAGTACTAGCTAGT	2760
Qy	2761	ATAACTTTTTCAAGTTGTAGCTACTACTTTTACGCTTATACCTCGGCATATTACAACTCAATA	2820
Db	2761	ATAACTTTTTCAAGTTGTAGCTACTACTTTTACGCTTATACCTCGGCATATTACAACTCAATA	2820
Qy	2821	GAATTCGGAAAGTACTATAAACGGGAGCGCTATAAATGGAGACGTTTTTGATCATGAGGCTA	2880
Db	2821	GAATTCGGAAAGTACTATAAACGGGAGCGCTATAAATGGAGACGTTTTTGATCATGAGGCTA	2880
Qy	2881	TAAACAATTGAGCAAAAAAGAAAGCGGTGGCCCATGGCGCTCAGCAAGGAGCAACACACA	2940
Db	2881	TAAACAATTGAGCAAAAAAGAAAGCGGTGGCCCATGGCGCTCAGCAAGGAGCAACACACA	2940
Qy	2941	AGCACTGATCAGCAGGCGGTGCTGGATGCTCAGCTCCAGCTCTGGCACCAACACCCCTGGGC	3000
Db	2941	AGCACTGATCAGCAGGCGGTGCTGGATGCTCAGCTCCAGCTCTGGCACCAACACCCCTGGGC	3000
Qy	3001	TATGTCAAGTCCATGG	3016
Db	3001	TATGTCAAGTCCATGG	3016

RESULT 3

```

US-10-425-115-151068
; Sequence 151068, Application US/10425115
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 151068
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_69292C.1
US-10-425-115-151068

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Query Match	4.0%;	Score 120.8;	DB 54;	Length 576;
Best Local Similarity	66.9%;	Pred. No. 3.3e-20;		
Matches 198;	Conservative	0;	Mismatches 77;	Indels 21; Gaps 1;
Ov	278	AGAATGTTGATCTGGAGAACTTTTGTGAGAACTGTGAACAACGGGAGGTTCATATCAAGA	317	

Db 1795 TTACGAAGATGAACCTCTCTCTGACATGTTTCCAAATGATGGTTGCATTAACATG 1736
QY 1629 GCATGAAATCTC 1641
Db 1735 GCATAAAATCCC 1723

RESULT 7
PCT-US99-05985-8/c
; Sequence 8, Application PC/TUS9905985A
; GENERAL INFORMATION:
; APPLICANT: Albert, Henrik H.
; APPLICANT: Wei, Hairong
; TITLE OF INVENTION: PLANT PROMOTER SEQUENCES AND METHODS OF USE THEREOF
; FILE REFERENCE: UH-03648
; CURRENT APPLICATION NUMBER: PCT/US99/05985A
; CURRENT FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 5174
; TYPE: DNA
; ORGANISM: Saccharum Hybrid Cultivar H32-8560
PCT-US99-05985-8

Query Match 3.9%; Score 118.6; DB 1; Length 5174;
Best Local Similarity 86.0%; Pred. No. 3.7e-19;
Matches 166; Conservative 0; Mismatches 24; Indels 3; Gaps 3;
QY 1451 AGTTTCTTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGACATTAATAAGCT 1510
Db 1914 AGTTTCTGAGCCGCTCTCAGT-GGATTTTCATCAGAGTTTCATGACATTAATAAGCT 1856
QY 1511 GATGTGACACCGTATTGATGAAGAGAGATGATTAAGATTTTCATGCGAGTAGAGAGT 1570
Db 1855 GATGTGGCACCGTATTGATGAAGAGAGATGATTAAGATTTTCATGGAATTAGAGAGT 1796
QY 1571 TTCAAGGATGAACCTCTTCTTCACTCTTCCAAATAT-AGATGATTCGTTAGAGG 1628
Db 1795 TTACGAAGATGAACCTCTCTCTGACATGTTTCCAAATGATGGTTGCATTAACATG 1736
QY 1629 GCATGAAATCTC 1641
Db 1735 GCATAAAATCCC 1723

RESULT 8
US-10-767-701-11451/c
; Sequence 11451, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 11451
; LENGTH: 1346
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS3954_1
US-10-767-701-11451

Query Match 3.3%; Score 100.8; DB 62; Length 1346;
Best Local Similarity 70.2%; Pred. No. 9.4e-15;
Matches 160; Conservative 0; Mismatches 47; Indels 21; Gaps 1;
QY 1455 TTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGACATTAATAAGCTGATG 1514

Db 1291 TACTAAGCCAGGCTCAATGGAGTTTCATGAGATTTTCATGCACATTAATAATGCTGATG 1232
QY 1515 TGACACCGTATTGATGAAGAGAGAGATGATTAAGAGTTTCATGCGAGTAGAGAGATTCA 1574
Db 1231 TGGCGCTATAGTAATGAAGAGAGAGATGATAAGAGTTTATCC----- 1189
QY 1575 TGGGGATGAACCTCTTCTTCACTGTTTCCAAATATAGATGATGGTAAAGGGCCATG 1634
Db 1188 ----CATGAACTCTAATGCACTGTTTCCAAATACAGATGTGTGAAAACCTGGGCTATG 1133
QY 1635 AAATCTCTAGTACACTGACCTAAGATGAGATTTGACTTAGCACTATG 1692
Db 1132 AAATGCCATTGAGGATGCGCTTAAGAGGAGTTTCTACGAGATTAATG 1085

RESULT 9
US-09-850-147-6517/c
; Sequence 6517, Application US/09850147
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael E.
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
; FILE REFERENCE: 38-21(51914)B
; CURRENT APPLICATION NUMBER: US/09/850,147
; CURRENT FILING DATE: 2001-05-08
; PRIOR APPLICATION NUMBER: US 60/202,213
; PRIOR FILING DATE: 2000-05-08
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: US 09/684,016
; PRIOR FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 18014
; SEQ ID NO 6517
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-09-850-147-6517

Query Match 3.2%; Score 96.4; DB 36; Length 398;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;
QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGAGATTAATAAG 1508
Db 158 GGAGGCATACAAAGTCTCTGTAGGCCACTCTCAATGGAGTTTCATTAATAATATG 99
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGATTAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 98 CTGA--TGGCACCGTATTAAAGAGAGAGAGATGATTAAGAGTTTCATGGAAGTAGAGAGA 41
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAAT 1608
Db 40 GTTTATGGGATGAACCTCTTCTGCACTATTTCCTCAAAAT 1

RESULT 10
US-10-767-701-18110/c
; Sequence 18110, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 18110
; LENGTH: 398

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; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-10-767-701-18110

Query Match      3.2%; Score 96.4; DB 62; Length 398;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAAATAAG 1508
Db 158 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAAATATG 99
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 98 CTGA--TGGCACCGTATTATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 41
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAAAT 1608
Db 40 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCAAAAT 1

RESULT 11
US-60-202-213-6504/c
; Sequence 6504, Application US/60202213
; GENERAL INFORMATION:
; APPLICANT: Andersen, Scott E.
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(51914)A
; CURRENT APPLICATION NUMBER: US/60/202,213
; CURRENT FILING DATE: 2000-05-08
; NUMBER OF SEQ ID NOS: 17986
; SEQ ID NO 6504
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-60-202-213-6504

Query Match      3.2%; Score 96.4; DB 89; Length 398;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAAATAAG 1508
Db 158 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAAATATG 99
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 98 CTGA--TGGCACCGTATTATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 41
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAAAT 1608
Db 40 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCAAAAT 1

RESULT 12
US-09-654-617-455751/c
; Sequence 455751, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 455751
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Sorghum bicolor

; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-10-767-701-18110

Query Match      3.2%; Score 96.4; DB 29; Length 404;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAAATAAG 1508
Db 164 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAAATATG 105
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 104 CTGA--TGGCACCGTATTATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 47
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAAAT 1608
Db 46 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCAAAAT 7

RESULT 13
US-09-684-016-455751/c
; Sequence 455751, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 455751
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-09-684-016-455751

Query Match      3.2%; Score 96.4; DB 31; Length 404;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAAATAAG 1508
Db 164 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAAATATG 105
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 104 CTGA--TGGCACCGTATTATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 47
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAAAT 1608
Db 46 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCAAAAT 7

RESULT 14
US-10-767-701-10015
; Sequence 10015, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 10015
; LENGTH: 1318
; TYPE: DNA
; ORGANISM: Sorghum bicolor
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/
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS4887_1
US-10-767-701-10015

Query Match      3.0%; Score 89.4; DB 62; Length 1318;
Best Local Similarity 80.2%; Pred. No. 9.4e-12;
Matches 105; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

QY 1456 TCTAAGCCAGTCTCAGTGGGTTTCATCAGAGTTTCATGGACATTAAATAAGCTGATGT 1515
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1188 TCTAGACCGGTCTCAATGGAGTTTCATTAAATTTTCATGCACATTAAATATGTTAATGT 1247

QY 1516 GACACCGTATTGATGAAGAGAGAGATGATAAGAGTTTTCATGCGAGTAGAGAGATTTCAT 1575
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1248 TGCATTGTATTAAATGAAGAGAGAGATGATAAGAGTTTTCATGGAAGCAGAGAGATTTTAT 1307

QY 1576 GGGGATGAAC 1586
    ||| ||| |||
Db 1308 CATCATAAAC 1318

RESULT 15
US-10-425-115-42192
; GENERAL INFORMATION: Application US/10425115
; SEQUENCE INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 42192
; LENGTH: 2032
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_138478C.1
US-10-425-115-42192

Query Match      3.0%; Score 89.4; DB 54; Length 2032;
Best Local Similarity 68.9%; Pred. No. 1.2e-11;
Matches 151; Conservative 0; Mismatches 66; Indels 2; Gaps 2;

QY 1457 CTAAGCCAGTCTCAGTGG-GGTTTCATCAGAGTTTCATGGACATTAAATAAGCTGATGT 1515
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 498 CTAAGACTAGTCTCTGTGGTGGTTTCACGAGAGGATTATGGCAITTAATAATGTTGATGT 557

QY 1516 GACACCGTATTGATGAAGAGAGAGATGATAAGAGTTTTCATGCGAGTAGAGAGATTTCAT 1575
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 558 GGCATATTATTACGAAGAGAGATAGGTAAAGTTTTTATCGAATGAATGAGTTCAC 617

QY 1576 GGG-GATGAACTCTTCTTCTTCTTCCAAATATAGATGATGTTGGTAAGAGGGCCATG 1634
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 618 GGGCGATGAACTTATGTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 677

QY 1635 AAATCTCTAGTGACACTGACCTAAGATGAGATTGACTCT 1673
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 678 AAATCCCACTGAAACTGGCCCTAATAATAAAGCTAATCT 716
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Search completed: April 1, 2005, 17:55:43
Job time : 11115 secs

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